

Events in November:

Wed 7th	Historic Scotland External Reference Group Online Meeting > info
Thu 8th	Conference: Water Efficient Design, Heriot Watt University > info
Wed 14th	Webinar: Communication Strategies to Minimise Water Use in Social Housing
Thu 15th	Conference: Integration of Sustainable Infrastructure, Buchanan House, Glasgow
Tues 20th	Consultation Event: BSD Building Regulations, Edinburgh Napier University > info
Thu 22nd	Consultation Event: BSD Building Regulations, Highlands & Islands Enterprise, Inverness > info
Mon 26th	Conference: BIM and Sustainability, Buchanan House, Glasgow > info
Wed 28th	Conference: Sustainable Refurbishment of Healthcare Estates, in partnership with Health Facilities Scotland, Buchanan House, Glasgow > info

CONFERENCE - WATER EFFICIENT DESIGN



Afternoon Conference:

Water Efficient Design - Tackling Unsustainable Water Consumption in the Built Environment

Date: Thursday 8th November 2012

Time: 13:30 - 17:00

Venue: Heriot Watt University, Edinburgh

[download PDF brochure](#)

The Water Efficiency (Watef) in Buildings Network is a novel initiative tasked by DEFRA to take an interdisciplinary approach to solving problems of unsustainable water consumption in the built environment.

The network provides a forum to collaboratively explore the supply, treatment, distribution, risk monitoring, improved efficiency and conservation of water within the built environment. It supports the investigation of the challenges to improving the adaptive capacity of building users, providers and professionals and to consequently facilitate long-term, adaptable water efficiency through behaviour change and the use of technology. The network also provides a creative, collaborative environment for the exchange of ideas, on the issues concerning water conservation, reuse and efficiency in the built environment, with a strong focus in the domestic sector.

This is the first meeting to be held by Watef in Scotland who are co-hosting the event with CIC Start Online. The event programme is designed to introduce the broad policy-based issues regarding water efficiency standards in Scotland and then will address some of the key areas where a difference can be made in implementing efficiency, saving on water, energy and carbon emissions. This includes water efficiency in design and planning of buildings, surface water management, effectively implementing efficiency measures in retrofits and planning and management for industry who are affected by the need to meet increasing pressure on sustainability practices and measures.

The intention of this event is to foster knowledge exchange and transfer between academia, researchers and industry practitioners. It is therefore a good opportunity to showcase the latest, cutting edge research and developments related to the conference theme and across the water supply and demand spectrum. This event is of interest to a wide spectrum audience and will be suitable for planners to environmental managers in SMEs, academics, policy makers and regulators and local authorities.

£69 +VAT for CIC Start Online Members

£89 +VAT for Non Members

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CONFERENCE - SUSTAINABLE INFRASTRUCTURE



Morning Conference:

Integration of Sustainable Infrastructure Into the Existing Built Environment

Date: Thursday 15th November 2012

Time: 09:30 - 14:00

Venue: Seminar Room K505, Buchanan House, Glasgow G4 0HG.

[download PDF brochure](#)

This event aims to explore how sustainable infrastructure can be integrated into the existing built environment. Policies and case studies on completed, on-going or planned projects for integration of services systems will be presented, including green areas, energy generation from renewables, charging for electric vehicles, waste management, water saving and recycling, district heating and ICT management systems for infrastructure.

This conference is of interest to the managers of public and private estates, El-services engineers, renewable energy professionals, building contractor and consultants, property owners and business offering products and services for more sustainable infrastructure for existing built environment.

Conference Programme

09:30 Registration and light refreshments		
09:45	Why an integrated sustainable infrastructure is needed	Prof. Joe Clarke Director of BRE's Centre for Energy Utilisation
10:05	Smarter Buildings: Reducing energy usage and carbon emissions through asset optimisation	John Adams IBM
10:25	Energy from Renewables: Generation, storage and use on site	Dr Muhammad Asif Glasgow Caledonian University
10:45	Integrating Green Infrastructure - A Case Study	Neil McLean GCV Green Network Partnership
11:05 Comfort Break		
11:15	Infrastructure for Electric Vehicles: a Case study	Ross Milligan Edinburgh College
11:35	Zero Waste Infrastructure for Existing Built Environment	Richard Buckingham WRAP
11:55	Sustainable water supply and drainage for buildings: modelling for system optimization	Dr Michael Gormley Heriot-Watt University
12:15	Towards Efficient Heating of Existing Built Environment - district heating solutions	Ken Brady Energy Saving Trust
12:35	Greywater / Heat recovery systems	David Blackler Waterevolution
12:55	ICT Technologies and Green Data Centres	Dr. Ahmed Al-Dubai Edinburgh Napier University
13:15 Lunch & Networking		
14:00 Close		

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CONFERENCE: BIM AND SUSTAINABILITY



Afternoon Conference:

BIM and Sustainability

Date: Monday 26th November 2012

Time: 13:30 - 17:00

Venue: Seminar Room K505, Buchanan House, Glasgow G4 0HG.

[download PDF brochure](#)

Building Information Modelling (BIM) enables representation of building geometry, spatial relationships, light analysis, geographic information, quantities and properties of building components. Data integrated into BIM can be used to analyse and present the entire building life cycle. Quantities and properties of materials can be extracted and the scope of works can be easily defined.

As these BIM features can facilitate the sustainability assessment of proposed designs and post-occupancy evaluation in relation to performance targets, the conference talks will demonstrate how this can be achieved. Along with the use of BIM for new building designs, there is growing interest in its use for modelling existing buildings to facilitate renovation and refurbishment interventions.

As laser scanning and distance measuring can be used to create 3D models of existing buildings, the conference will present a related case study. Populating a 3D model of an existing building with data that will assist decision making on renovation options is a challenge in further development of BIM.

The conference will indicate issues that need to be addressed to develop BIM for refurbishment

Conference Programme

13:30 Registration		
13:45	Welcome	Prof. Branka Dimitrijevic Glasgow Caledonian University
13:50	The Future of Sustainability Design Analysis within BIM	Niall Gibson IES Ltd
14:10	Embedding Sustainability Assessment into BIM	Dr Mohamed El-Haram University of Dundee

		Kyle Gardiner ProCenseo
14:30	Sustainable BIM-Drive Post-Occupancy Evaluation for Buildings	Wendy Corrigan Wylie Shanks Architects Ibrahim Motawa Heriot-Watt University
15:00 Comfort Break with Tea & Coffee		
15:20	3D Laser scanning and Visualisation of Existing Buildings Using Virtual Reality an Photorealistic Rendering	Dr Paul Chapman Digital Design Studio The Glasgow School of Art
15:50	BIM for Renovation Projects	Prof. Bimal Kumar Glasgow Caledonian University
16:10	Sustainability through BIM Design Ecologies	Derek Jones Keppie Design
16:30 Panel Discussion		
17:00 Close		

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CONFERENCE - SUSTAINABLE REFURBISHMENT OF HEALTHCARE ESTATES



Conference:
Sustainable Refurbishment of Healthcare Estates - *in partnership with Health Facilities Scotland*

Date: Wednesday 28th November 2012
Time: 09:30 - 15:30
Venue: Seminar Room K505, Buchanan House, Glasgow G4 0HG.

[download PDF brochure](#)

The Scottish Government's aims to reduce greenhouse gas emissions by 50 per cent by 2050 and the interim target of a 42 per cent reduction by 2020. The specific targets for NHS Scotland are to reduce CO2 emissions for oil, gas, butane and propane usage annually by 3% to 2014/15 and to continue to reduce energy consumption annually by 1% to 2014/15.

Between 2009/10 and 2011/12, NHS Scotland secured a 2.6% reduction in CO2 emissions and a 2.1% reduction in energy consumption. The revised Policy on Sustainable Development for NHS Scotland 2012 addresses six key areas: transport, procurement, facilities management, workforce, community engagement and buildings. The policy asks for continuous improvement, sets mandatory requirements and outlines the framework for governance, planning, monitoring and reporting.

Along with the design for more sustainable new buildings for healthcare, sustainable refurbishment of existing buildings will play a significant role in reducing energy use in buildings and, ultimately, in making savings that will allow higher investment in care for patients.

Interventions on existing healthcare buildings always present a bigger challenge than the interventions on other buildings as they should not disrupt or reduce the capacity and ability to provide a continuous level of service to the patients.

The conference will explore how this can be achieved by informing on the context, research outcomes and case studies from Scotland and England.

The conference is of interest to the NHS Scotland Boards, managers of healthcare estates, architects, building services designers, manufacturers of building materials and components, and contractors.

Conference Programme

09:30 Registration and Light Refreshments		
10:00	Welcome	Prof. Branka Dimitrijevic Glasgow Caledonian University
CONTEXT AND GUIDANCE		
10:10	Sustainability of Healthcare Estates: Scotland's policy, targets and results	Kathryn Dapré Health Facilities Scotland
10:30	Adapting Health: Sustainable Change	Heather Chapple Architecture and Design Scotland Chris Morgan Locate Architects
RESEARCH		
10:50	A Decision Making Requirement for Sustainable Hospital Refurbishment	Grant Wilson Robert Gordon University
11:10 Comfort break, tea & coffee		
11:30	BIM and Collaborative Design as Effective Tools for Sustainable Healthcare Refurbishment during the Early Re-Designing Phases	Marianthi Leon Robert Gordon University
11:50	Managing healthcare Infrastructure: Challenges and Research Directions	Dr Chris Harty University of Reading
12:10 Panel Discussion		
12:30 Lunch and Networking		
BEST PRACTICE		
13:15	Rethinking Assets	Chris Coleman-Smith Gareth Hoskins Architects
13:35	Refurbishment of the Galleries Health Centre in Washington, Tyne & Wear	Joe Biggs P+HS Architects
13:55	Guy's Tower External Refurbishment	Richard Schunemann Penoyre and Prasad LLP
14:15 Panel Discussion		
15:00 Networking		
15:30 Close		

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OTHER EVENTS

The Environmental and Health Risks of Drying Damp Washing Within The Home

MEARU, The Mackintosh Environmental Architecture Research Unit have recently completed a research project identifying residents laundry habits and have highlighted the environmental and health risks of damp washing drying on radiators and airers in homes. Their recently published Design Guide is aimed at housing providers and policy makers and makes recommendations for healthy home laundry methods.

The Design Guide is formed by research findings from an EPSRC funded project together with project partners ESUR at Strathclyde University and RICH at Glasgow Caledonian University.

More information on the project can be found on the project website: www.homelaundrystudy.net

MEARU invites members of CIC Start along to the launch of their Design Guide to be held on 1st November 2012 at The Glasgow School of Art, in the historic Mackintosh Room at 5.30pm.

Re-Thinking Materials: Profiting from Innovation

Hannah Maclure Centre, University of Abertay, Dundee DD1 1HG
16 November 2012 (09:30-16:00)

Thinking differently about how we source and use materials in manufacturing and construction can open up new markets and opportunities for businesses to grow. Scotland has an impressive capability in the area of advanced materials and there is potential for almost every sector to get involved from the design and use of new and lower carbon construction materials, to finding new uses for waste as a raw material in manufacturing.

The Re-Thinking Materials Day hosted by LoCal-Net, Material Innovation Service and Architecture and Design Scotland provides an opportunity for businesses to get involved. Hear the latest innovations in materials across Scotland and consider how they can get to hear. Businesses are invited to attend either or both of these interesting sessions and hear from other businesses in the industry who are getting involved in materials innovation.

To Register: <http://www.surveymonkey.com/s/S8VRRNX>
For More Information: <http://localnet.abertay.ac.uk/events>

Carbon Trust Scotland Low Carbon Building Award 2013, in Association with Urban Realm

In recognition of the significant carbon saving potential that exists within the building sector, the Carbon Trust Scotland, along with media partner Urban Realm, is pleased to announce that it is now welcoming entries to the Low Carbon Building Award 2013, which comprises two categories for projects: new build and refurbished.

The Carbon Trust is specifically looking for applications from organisations that have occupied a new or refurbished commercial low carbon building in the last two years.

You can download the [application form here](#)

Knowledge Transfer Network - Integrating Sustainable Infrastructure

Infrastructure systems are evolving quickly, and in some cases converging at a national and regional scale. Although much focus has been on large scale infrastructure investment, there is an emerging market opportunity to replicate this approach at community and building scale.

For more information on the funding application process, and for information on the workshop in Glasgow on November 6th, please [view the PDF here](#)

CIC Start Online is led by Glasgow Caledonian University in collaboration with Edinburgh Napier University, The Glasgow School of Art, Heriot Watt University, The Robert Gordon University, University of Edinburgh and University of Strathclyde Glasgow. CIC Start Online is funded by the European Regional Development fund and Scottish Government's SEEKIT programme.



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